

Data File : VW011178.D
Acq On : 09 Jul 2019 14:47
Operator : SY/VA
Sample : K3697-01RE
Misc : 5.16G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
72-12000

Quant Time: Jul 10 04:30:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 09 07:16:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	180391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	315476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	112823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121696	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	7.88	113	94926	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	10.32	98	394559	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.62	95	127730	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	

Target Compounds

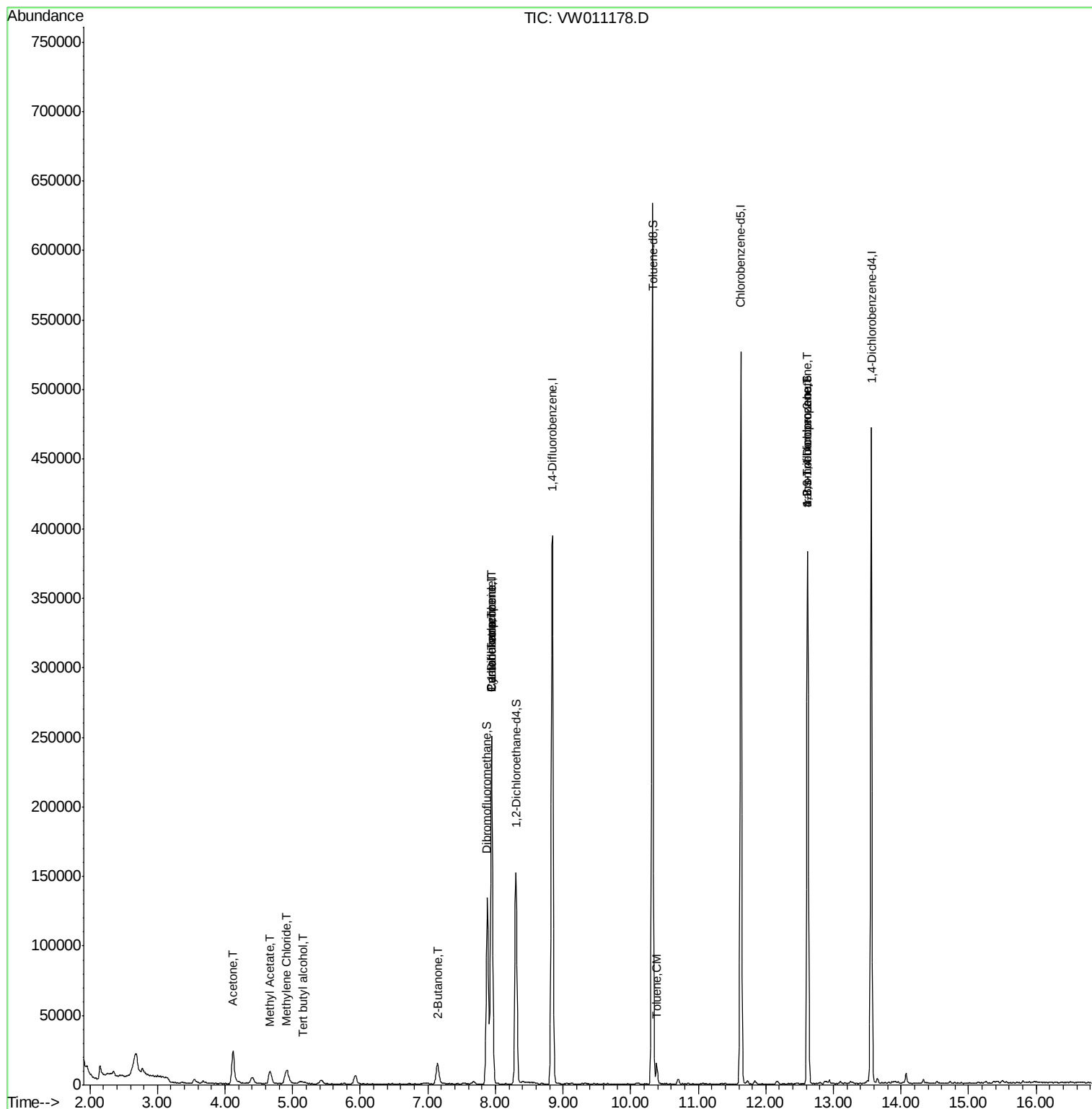
						Qvalue
11) Tert butyl alcohol	5.15	59	1704	10.154	ug/l #	85
16) Acetone	4.12	43	43620	79.980	ug/l	99
18) Methyl Acetate	4.67	43	19286	11.343	ug/l	98
20) Methylene Chloride	4.90	84	3750	1.743	ug/l	89
25) 2-Butanone	7.14	43	944	1.103	ug/l #	54
31) Cyclohexane	7.94	56	4962	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	16075	4.785	ug/l #	51
38) Carbon Tetrachloride	7.94	117	18610	6.535	ug/l #	16
52) Toluene	10.38	92	5763	1.023	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	69389	53.220	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69389	120.374	ug/l #	6

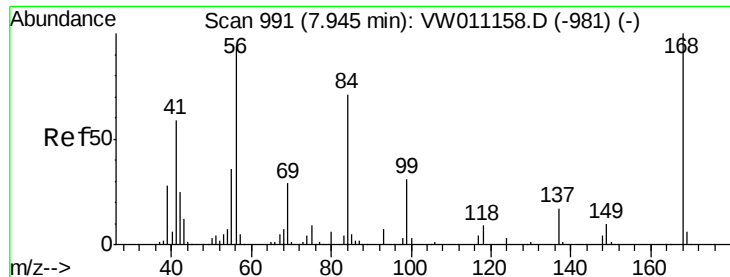
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

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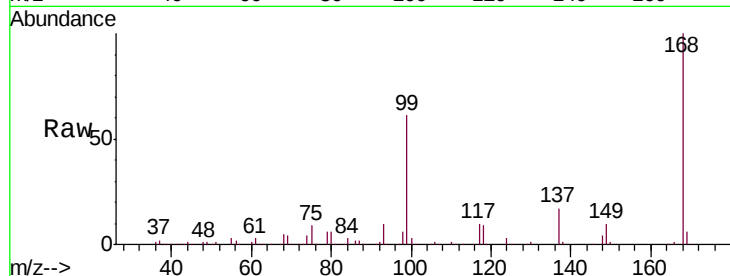
Instrument :
MSVOA_W
ClientSampleId :
72-12000

Tgt Ion: 168 Resp: 180391

Ion Ratio Lower Upper

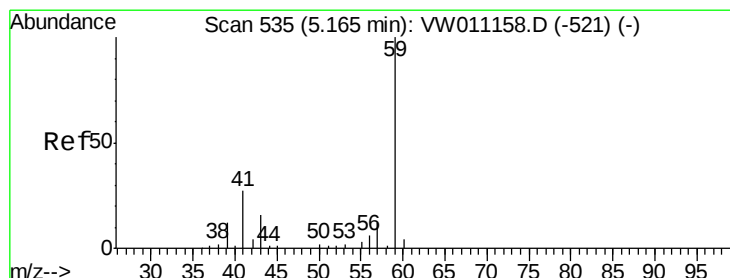
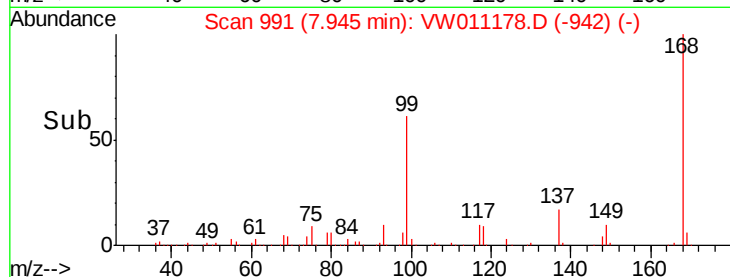
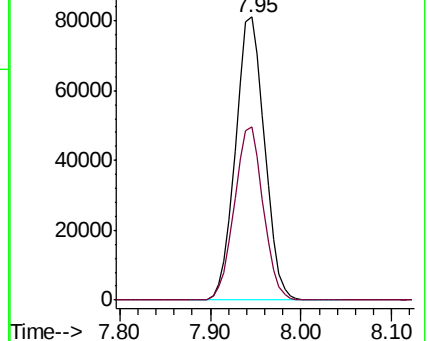
168 100

99 61.2 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 10.154 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW011178.D

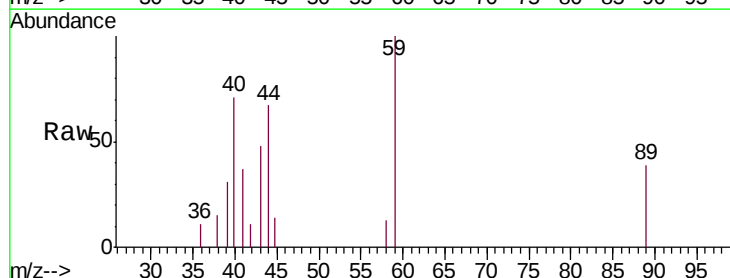
Acq: 09 Jul 2019 14:47

Tgt Ion: 59 Resp: 1704

Ion Ratio Lower Upper

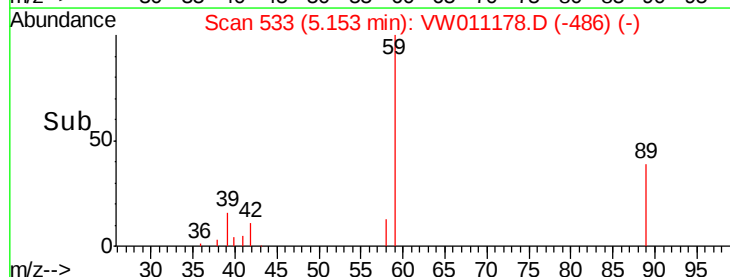
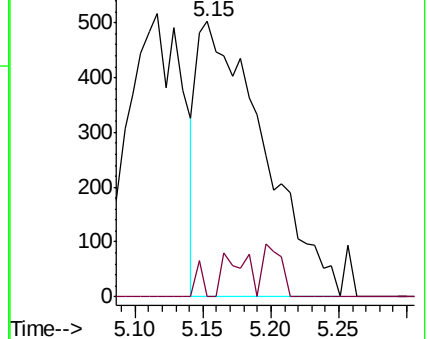
59 100

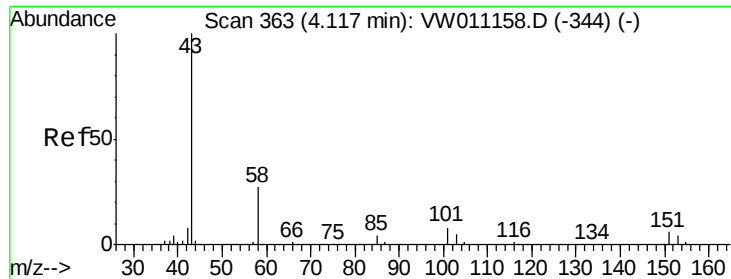
57 5.7 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 79.980 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011178.D

Acq: 09 Jul 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

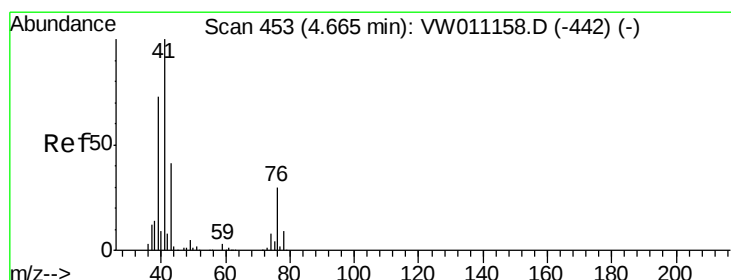
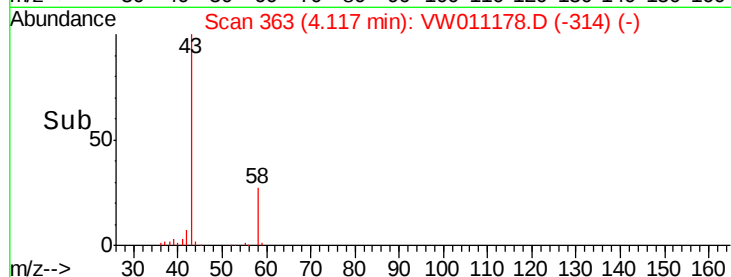
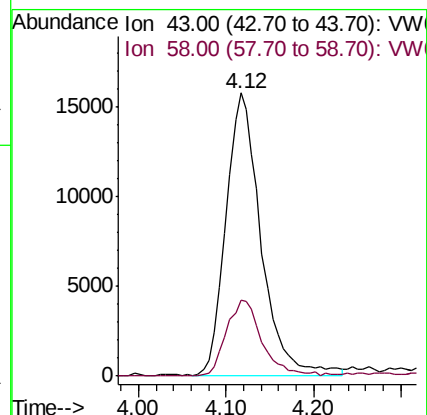
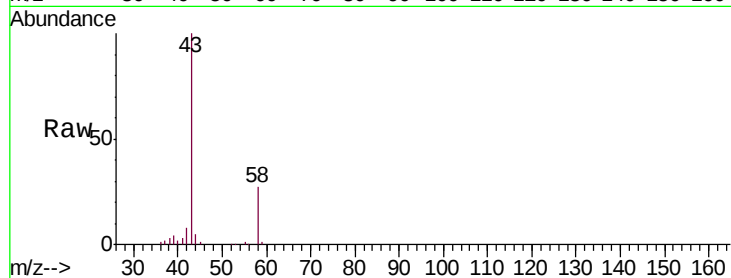
72-12000

Tgt Ion: 43 Resp: 43620

Ion Ratio Lower Upper

43 100

58 26.8 21.8 32.6



#18

Methyl Acetate

Concen: 11.343 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011178.D

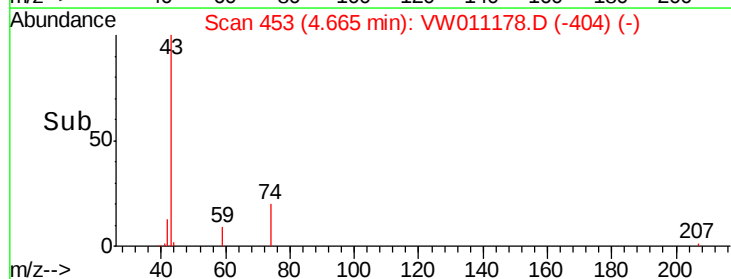
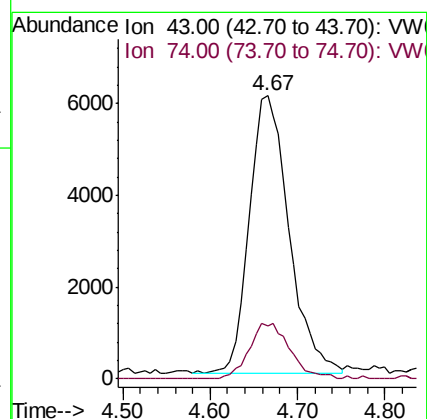
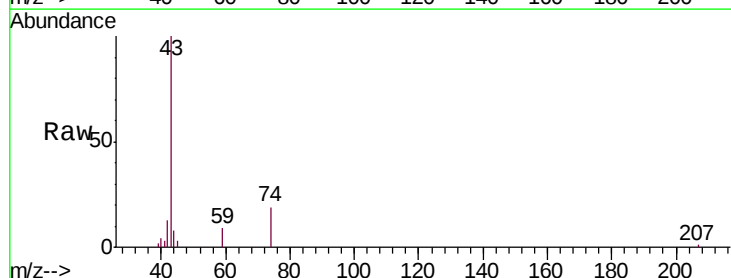
Acq: 09 Jul 2019 14:47

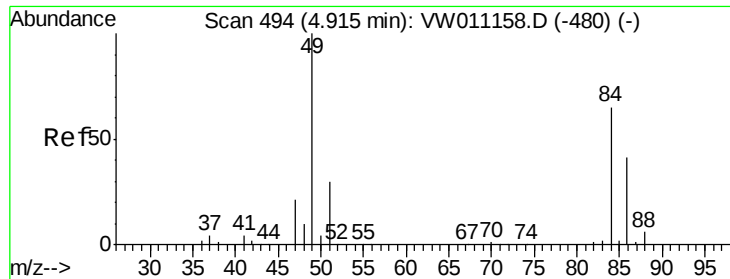
Tgt Ion: 43 Resp: 19286

Ion Ratio Lower Upper

43 100

74 20.4 15.7 23.5





#20

Methylene Chloride

Concen: 1.743 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW011178.D

Acq: 09 Jul 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

72-12000

Tgt Ion: 84 Resp: 3750

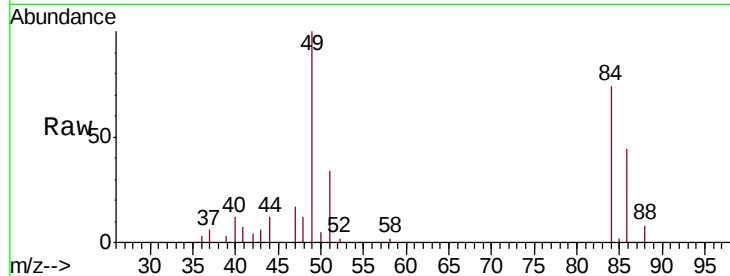
Ion Ratio Lower Upper

84 100

49 135.2 123.8 185.6

51 45.9 37.4 56.2

86 59.0 51.1 76.7

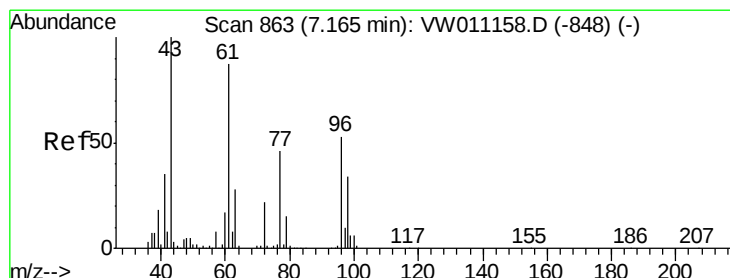
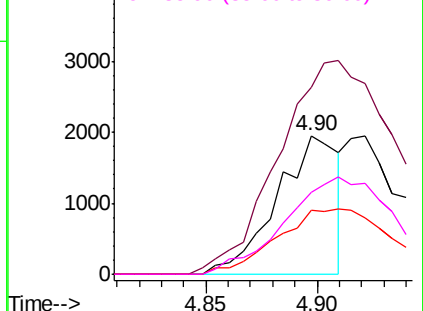
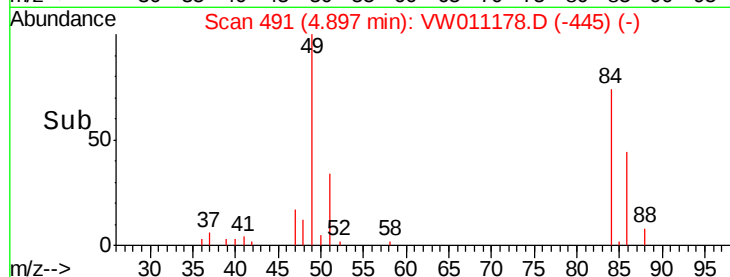


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 1.103 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011178.D

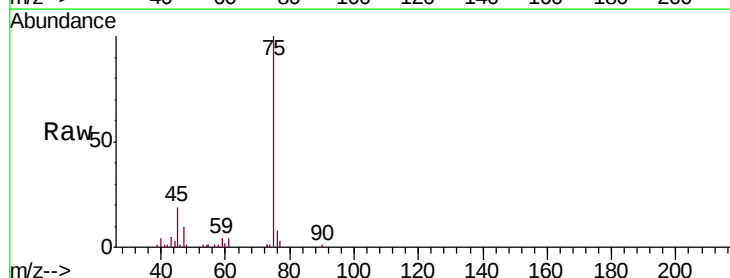
Acq: 09 Jul 2019 14:47

Tgt Ion: 43 Resp: 944

Ion Ratio Lower Upper

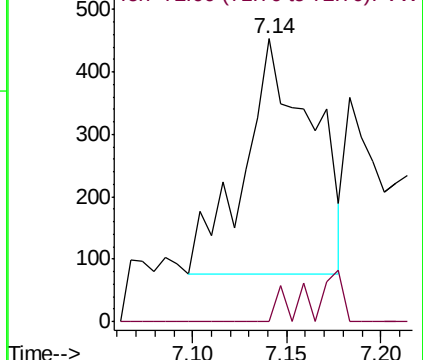
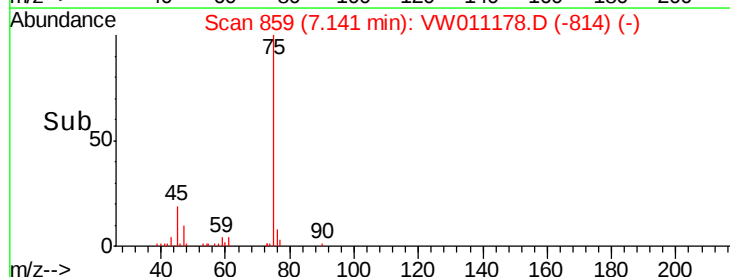
43 100

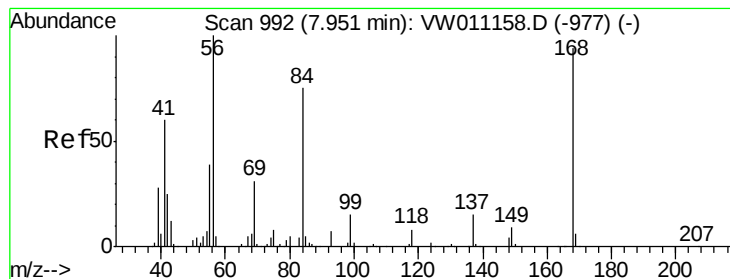
72 0.0 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.130 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011178.D

Acq: 09 Jul 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

72-12000

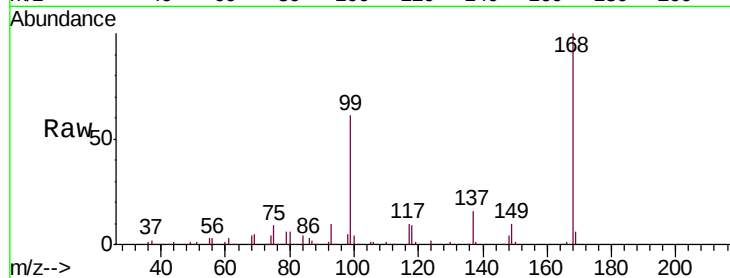
Tgt Ion: 56 Resp: 4962

Ion Ratio Lower Upper

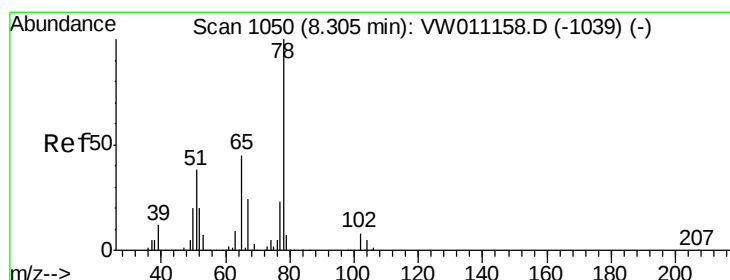
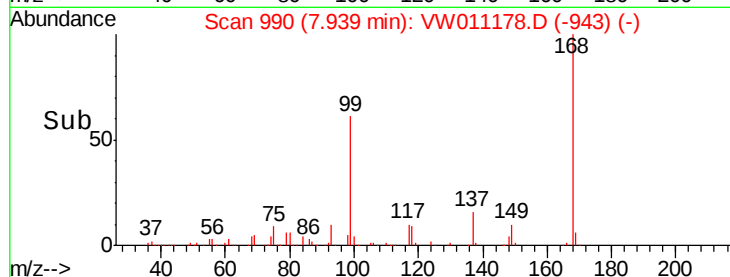
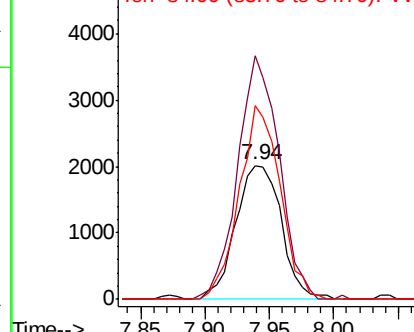
56 100

69 182.4 24.6 36.8#

84 145.0 60.1 90.1#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 53.689 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011178.D

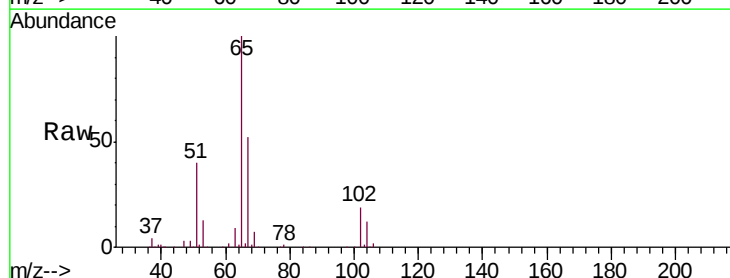
Acq: 09 Jul 2019 14:47

Tgt Ion: 65 Resp: 121696

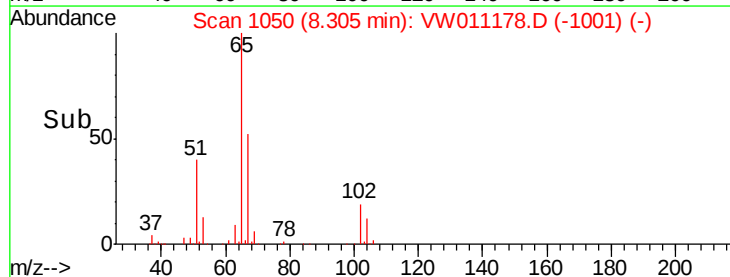
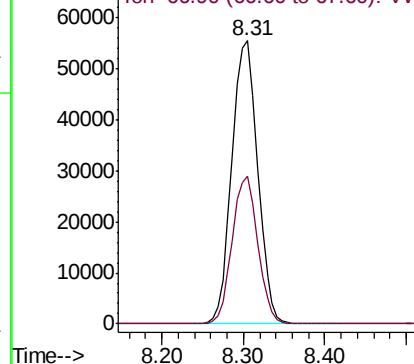
Ion Ratio Lower Upper

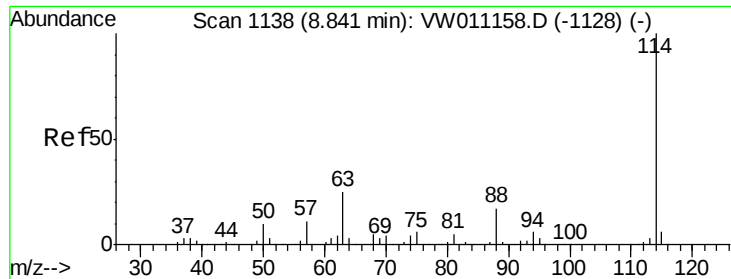
65 100

67 51.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

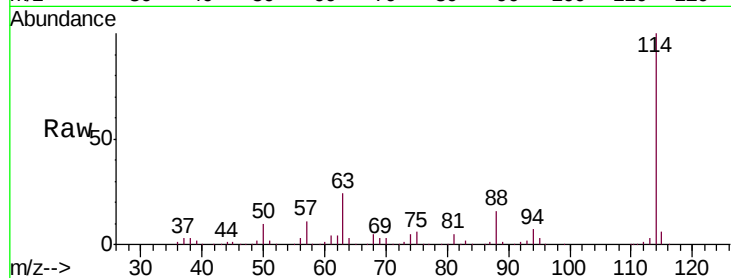




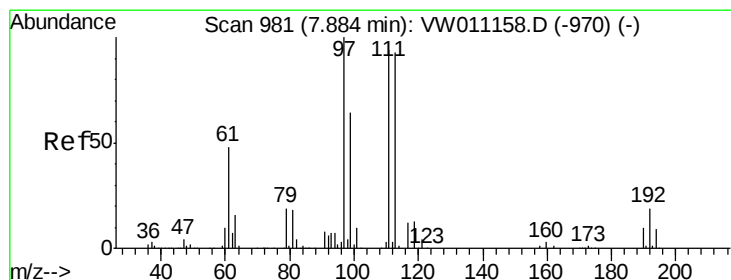
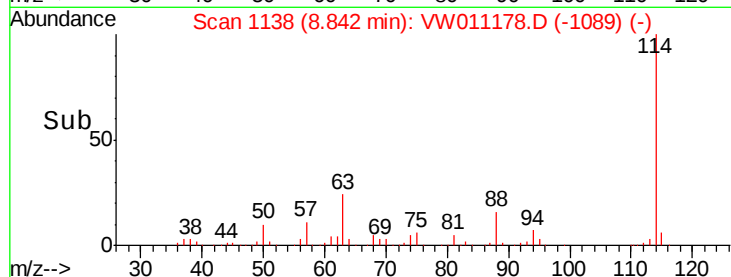
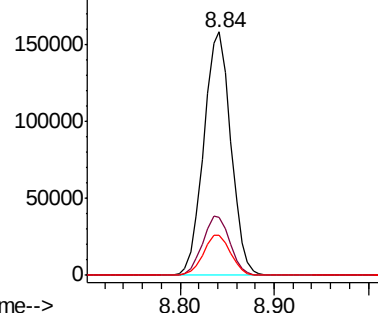
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011178.D
 Acq: 09 Jul 2019 14:47

Instrument :
 MSVOA_W
 ClientSampleId :
 72-12000

Tgt Ion:114 Resp: 315476
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 50.8
 88 16.2 0.0 34.2

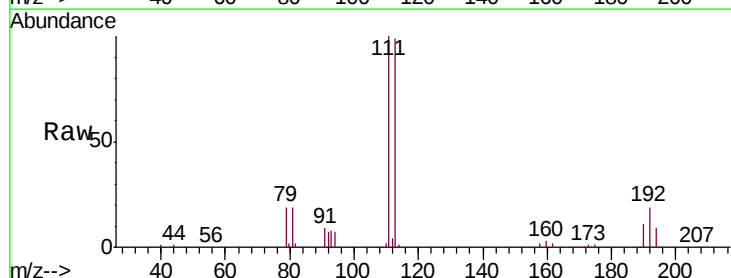


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

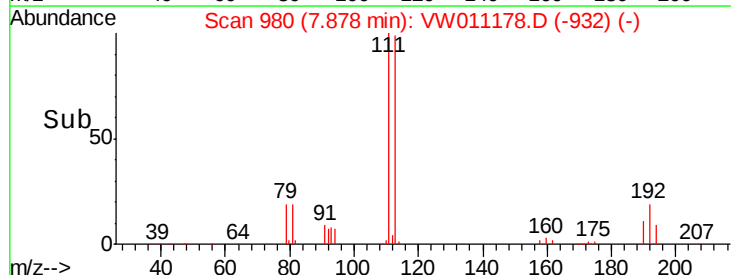
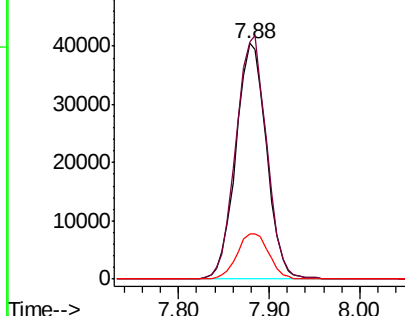


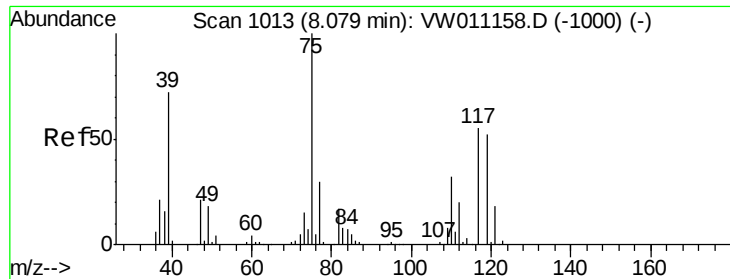
#35
 Dibromofluoromethane
 Concen: 50.482 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011178.D
 Acq: 09 Jul 2019 14:47

Tgt Ion:113 Resp: 94926
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.4 123.6
 192 20.0 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

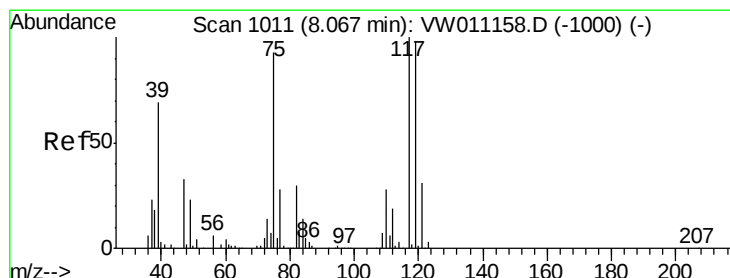
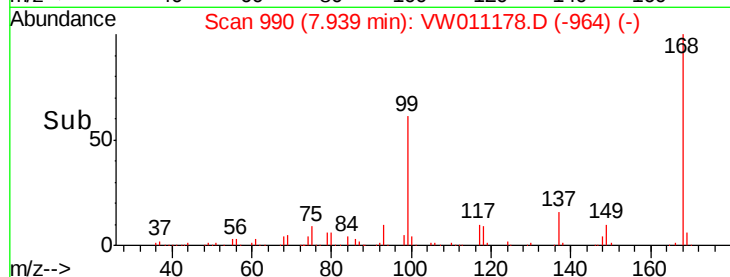
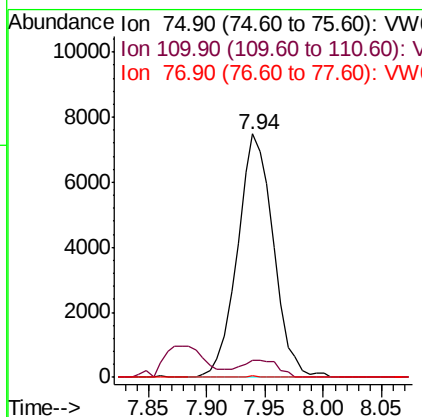
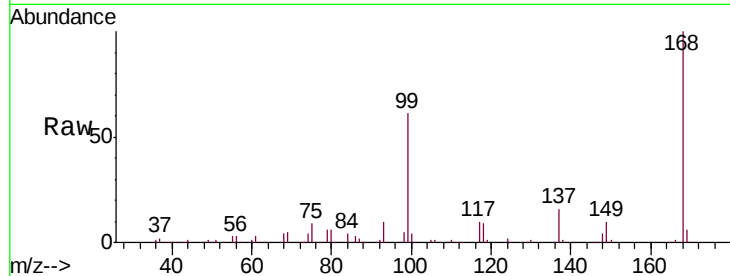




#36
 1,1-Dichloropropene
 Concen: 4.785 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011178.D
 Acq: 09 Jul 2019 14:47

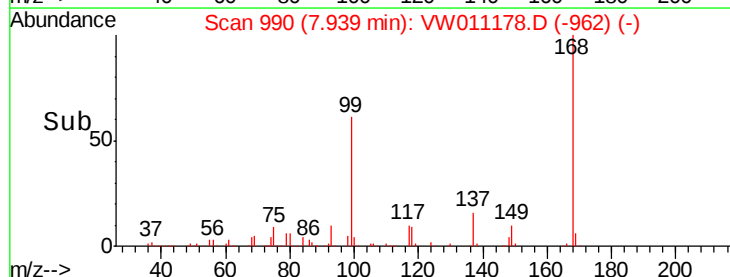
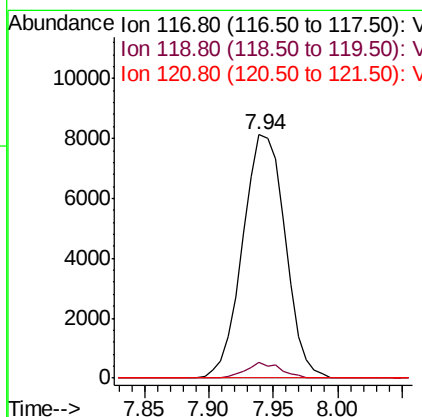
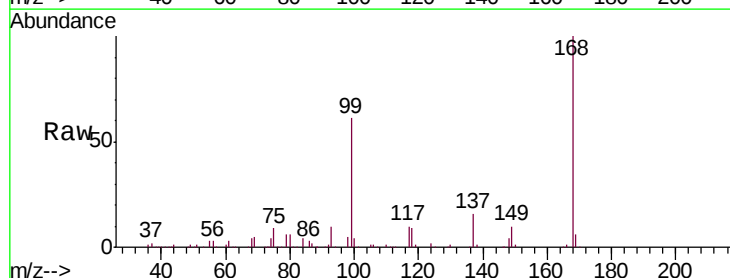
Instrument :
 MSVOA_W
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 72-12000

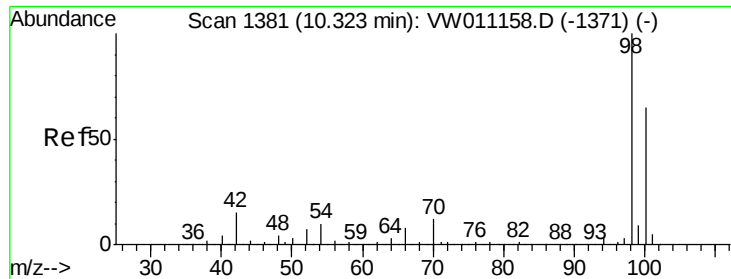
Tgt Ion: 75 Resp: 16075
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.9 47.6#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.535 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW011178.D
 Acq: 09 Jul 2019 14:47

Tgt Ion: 117 Resp: 18610
 Ion Ratio Lower Upper
 117 100
 119 6.7 78.1 117.1#
 121 0.0 25.1 37.7#

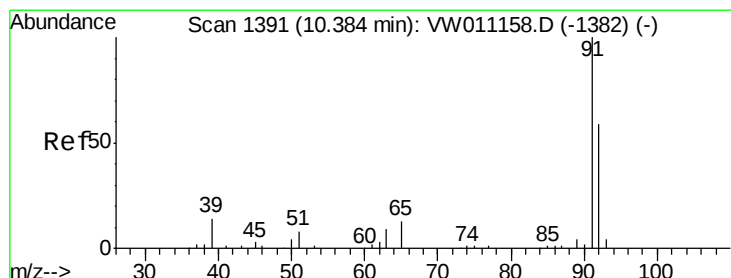
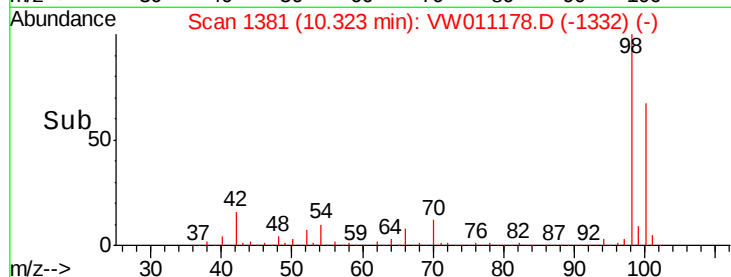
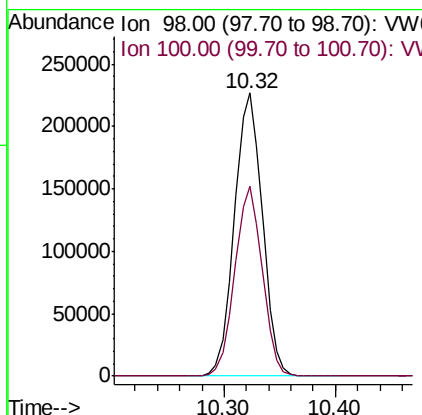
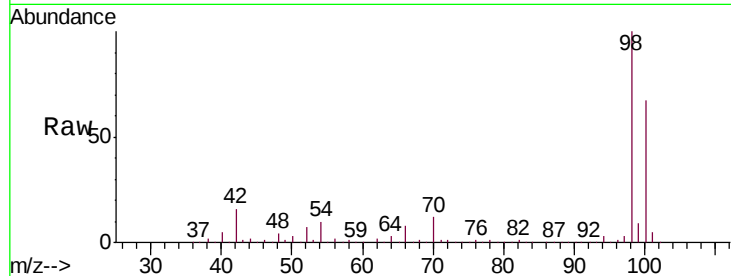




#50
Toluene-d8
Concen: 51.910 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011178.D
Acq: 09 Jul 2019 14:47

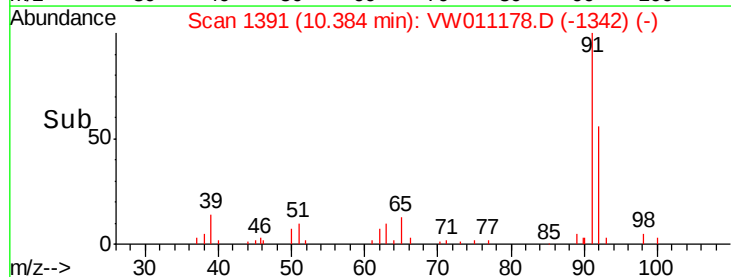
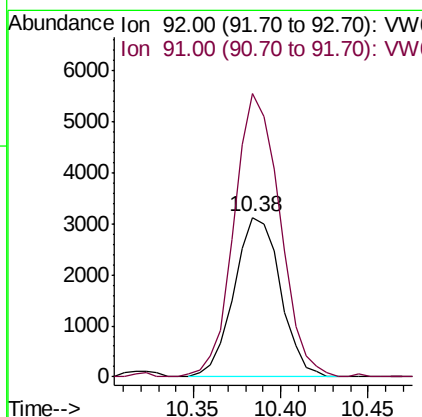
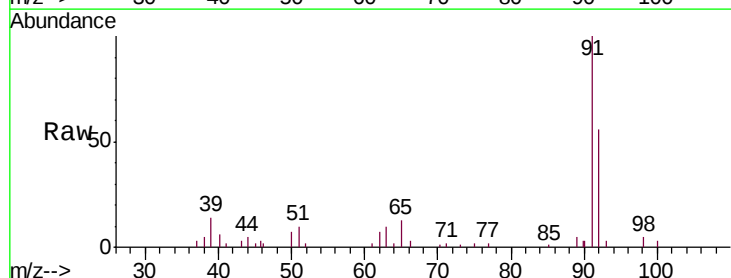
Instrument :
MSVOA_W
ClientSampleId :
72-12000

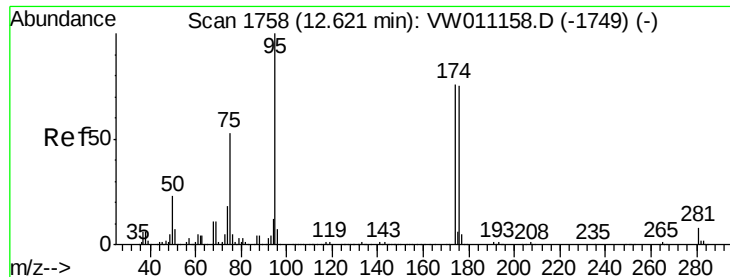
Tgt Ion: 98 Resp: 394559
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#52
Toluene
Concen: 1.023 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011178.D
Acq: 09 Jul 2019 14:47

Tgt Ion: 92 Resp: 5763
Ion Ratio Lower Upper
92 100
91 175.5 136.6 205.0





#62

4-Bromofluorobenzene

Concen: 45.848 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011178.D

Acq: 09 Jul 2019 14:47

Instrument :

MSVOA_W

ClientSampled :

72-12000

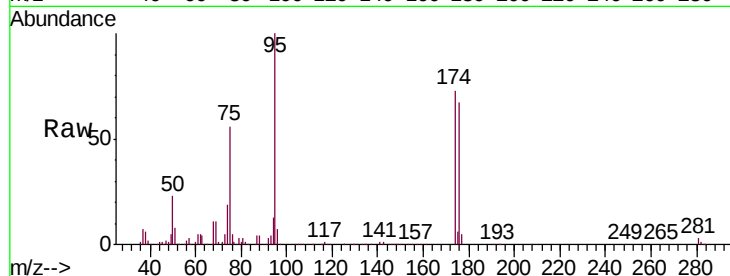
Tgt Ion: 95 Resp: 127730

Ion Ratio Lower Upper

95 100

174 74.7 0.0 147.6

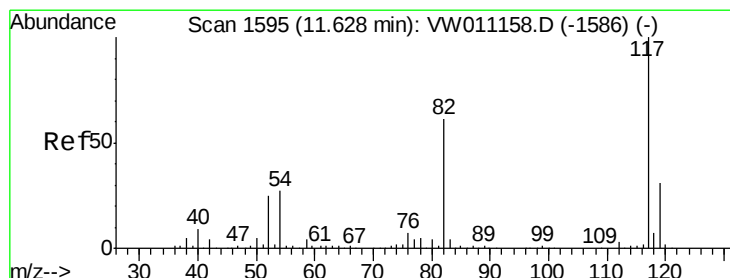
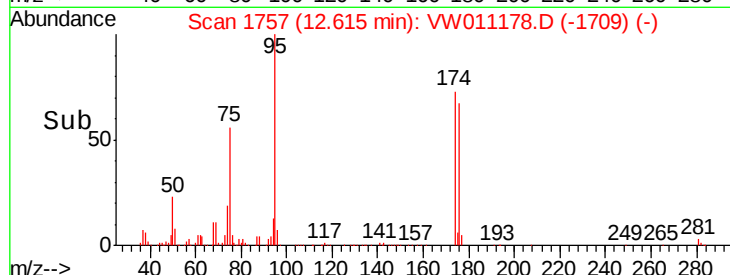
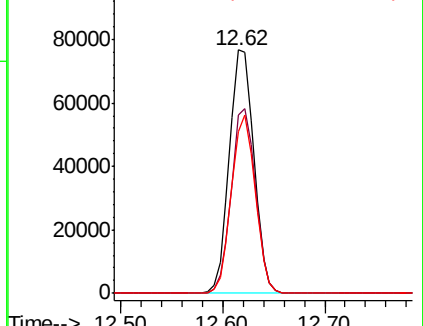
176 71.0 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW011178.D

Acq: 09 Jul 2019 14:47

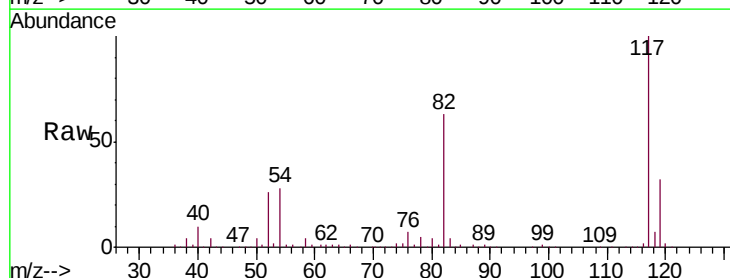
Tgt Ion: 117 Resp: 270149

Ion Ratio Lower Upper

117 100

82 62.7 48.9 73.3

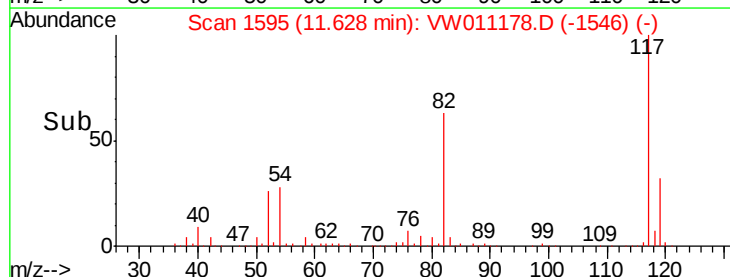
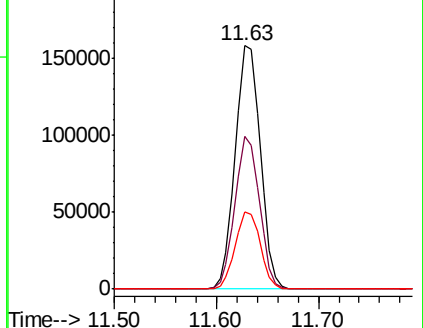
119 31.8 25.0 37.6

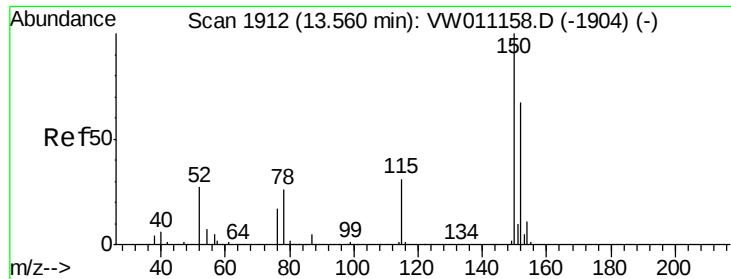


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011178.D

Acq: 09 Jul 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

72-12000

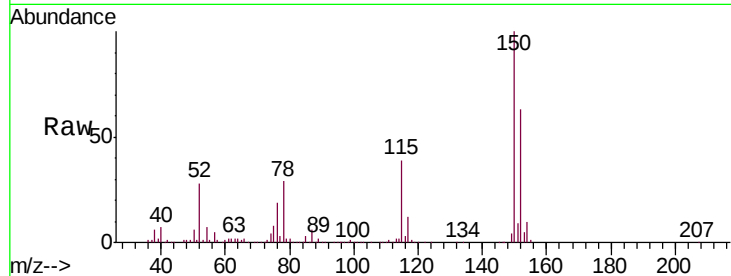
Tgt Ion:152 Resp: 112823

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

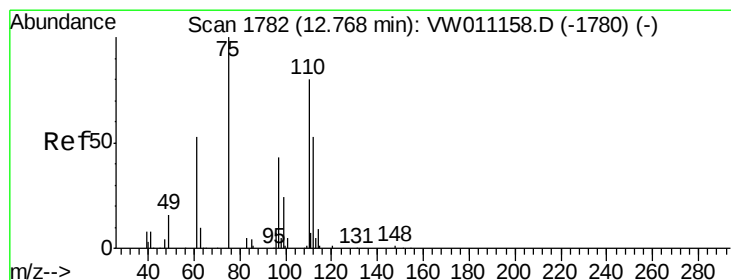
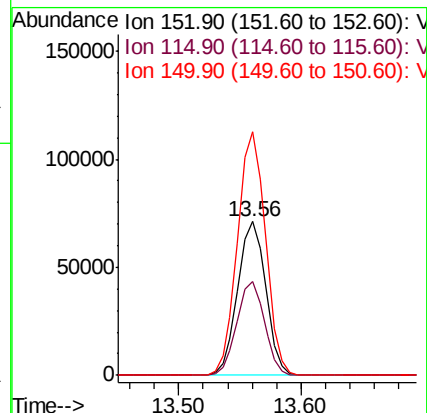
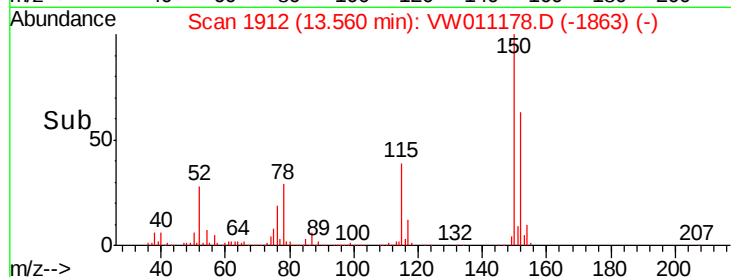
150 158.3 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 53.220 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011178.D

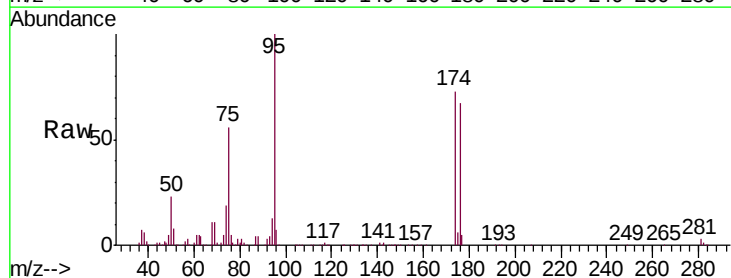
Acq: 09 Jul 2019 14:47

Tgt Ion: 75 Resp: 69389

Ion Ratio Lower Upper

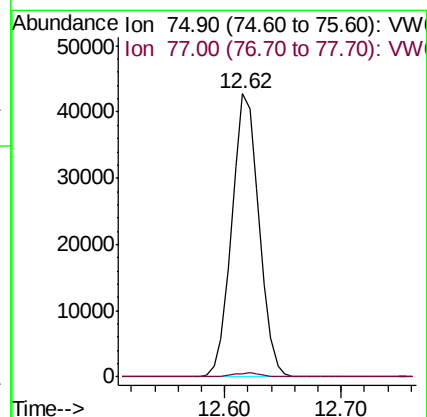
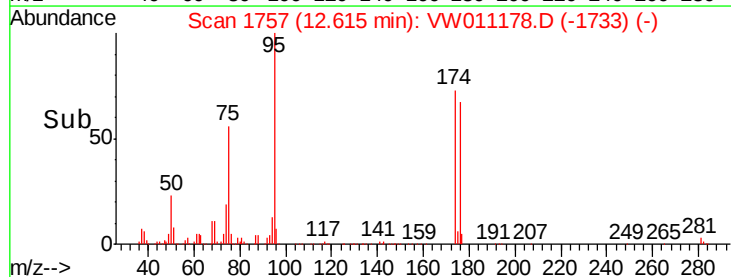
75 100

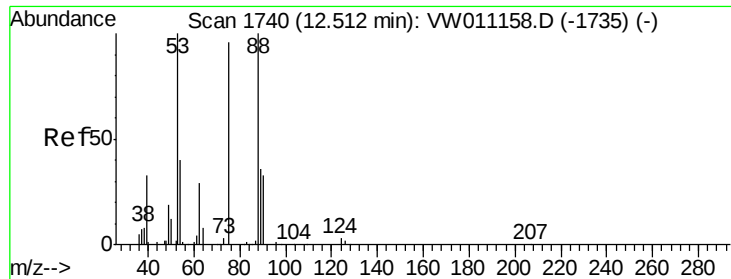
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 120.374 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011178.D

Acq: 09 Jul 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

72-12000

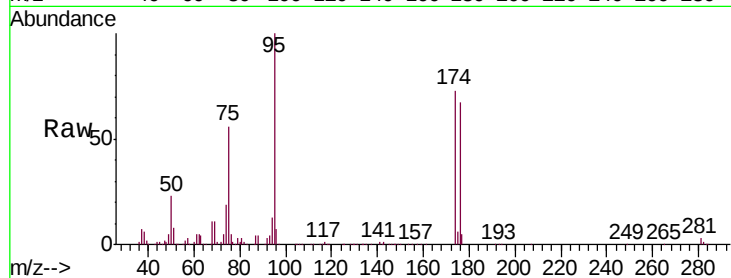
Tgt Ion: 75 Resp: 69389

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.0 34.3 51.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

